<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"> 110 ___<xsd:element name="person" type="personType"/> <!-- The root element defines a person.

<xsd:complexType name="personType" mixed="false">

<xsd:element name="name" type="xsd:string" minOccurs="1" maxOccurs="1"/> 150 <xsd:attribute name="height" type="xsd:integer" use="optional" />_

120

FIG. 2 (Prior Art)

</xsd:complexType>

</xsd:schema>

<?xml version="1.0" encoding="UTF-8"?> 200

xsi:schemaLocation="http//www.myCompany.com/base.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" height=72 weight=190> 210

<address>123 Main Street</address> <name>John</name>

</berson>

FIG. 3A (Prior Art)

<?xml version="1.0"?>

300

```
<xsd:attribute name="gender" type="xsd:string" use="optional" />
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
                                                                                                                                                                                        <xsd:complexType name="personType"> 321
                                                                                                                                                                                                                                                               <xsd:extension base="personType">
                                                                              <!-- This extension adds gender to a person.
                                                                                                                                                             <xsd:redefine schemaLocation="base.xsd">
                                                                                                                                                                                                                                                                                                                                                 </xsd:complexContent>
                                                                                                                                                                                                                                                                                                                        </xsd:extension>
                                                                                                                                                                                                                                                                                                                                                                            </xsd:complexType>
                                                                                                                                                                                                                                                                                                                                                                                                       </xsd:redefine>
                                                                                                                                                                                                                                                                                                                                                                                                                               </xsd:schema>
                                                                                                                                            310
                                                                                                                                                                                                                                                                                           320
```

FIG. 3B (Prior Art)

<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<?xml version="1.0" ?>

330

```
î
                                      c.xad:attribute name="age" type="xsd:integer" use="optional" />
                                                                                                                                                                        352
                                                                                                                 <<xsd:complexType name="personType">351
                                                                                                                                                                            <xsd:extension base="personType"> ___
                                                                                       <xsd:redefine schemaLocation="base.xsd">
                      <!-- This extension adds age to a person.
                                                                                                                                                                                                                                             </xsd:complexContent>
                                                                                                                                                                                                                         </xsd:extension>
                                                                                                                                                                                                                                                                    </xsd:complexType>
                                                                                                                                                                                                                                                                                        </xsd:redefine>
                                                                                                                                                                                                                                                                                                              </xsd:schema>
                                                                                                                                                                                                350 <
```

FIG. 3C (Prior Art)

<?xml version="1.0" ?>

360

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
                                                                                                                                                                                 382
                                                       <!-- This extension adds marital status to a person.</p>
                                                                                                                                  <<xsd:complexType name="personType">
381
                                                                                                                                                                                    <xsd:extension base="personType"> ___
                                                                                                            </xsd:complexContent>
                                                                                                                                                                   <xsd:complexContent>
                                                                                                                                                                                                                        </xsd:extension>
                                                                                                                                                                                                                                                              </xsd:complexType>
                                                                                                                                                                                                                                                                               </ri>
                                                                                                                                                                                                                                                                                                  </xsd:schema>
                                                                                                                                                                                                    380
```

FIG. 4A (Prior Art)

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="//www.myCompany.com/ext1.xsd" <?xml version="1.0" encoding="UTF-8"?> height="72" weight="190" gender="M">

<name>John</name>

<address>123 Main Street</address>

FIG. 4B (Prior Art)

<?xml version="1.0" encoding="UTF-8"?>

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="//www.myCompany.com/ext2.xsd" height="72" weight="190" age="35">

<address>123 Main Street</address> <name>John</name>

FIG. 4C (Prior Art)

<?xml version="1.0" encoding="UTF-8"?>

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="//www.myCompany.com/ext3.xsd" height="72" weight="190" maritalStatus="Single">\ <name>John</name>

<address>123 Main Street</address> </person>

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FIG. 5 (Prior Art)

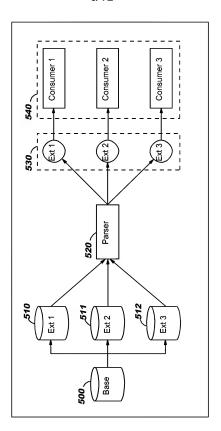


FIG. 6 (Prior Art)

<xsd:element name="address" type="xsd:string" minOccurs="1" maxOccurs="1"/> <xsd:element name="name" type="xsd:string" minOccurs="1" maxOccurs="1" /> <xsd:attribute name="height" type="xsd:integer" use="optional" /> <xsd:attribute name="weight" type="xsd:integer" use="optional" /> <xsd:complexType name="personType" mixed="false"> <xsd:element name="person" type="person/Type"/> <!-- The root element defines a person.

<xsd.attribute name="maritalStatus" type="xsd:string" use="optional" />

</xsd:complexType>

<xsd:attribute name="gender" type="xsd:string" use="optional" />
<xsd.attribute name="age" type="xsd:integer" use="optional" />

<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<?xml version="1.0" ?>

FIG. 7 (Prior Art)

<

cperson
xmins:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLcoation="//www.myCompany.com/ext3.xsd"
height="72" weight="190" gender="M" age="35"
martialStatus="Single">>

</pre

</person>

9/12

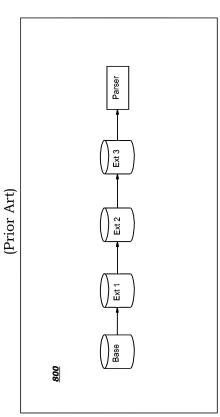


FIG. 8 (Prior Art)